

**PATENT**  
**HES 2000-IP-002115U1P1P1**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Karen Luke and Sears T. Dealy	)	
		)	
		)	Art Unit: unknown
		)	
Serial No.:	unknown	)	
		)	
Filed:	concurrently herewith	)	Examiner: Unknown
		)	
For:	ZEOLITE-CONTAINING CEMENT	)	
	COMPOSITONS	)	

**INFORMATION DISCLOSURE STATEMENT**

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

**U. S. PATENTS**

U.S. Patent No. 3,694,152 issued September 26, 1972 to Riccardo Sersale et al.

U.S. Patent No. 4,435,216 issued March 6, 1984 to Manfred Diehl et al.

U.S. Patent No. 4,482,379 issued November 13, 1984 to Benton L. Dibrell et al.

U.S. Patent No. 4,888,120 issued December 19, 1989 to Heinz Mueller et al.

U.S. Patent No. 5,383,967 issued January 24, 1995 to Raymond S. Chase.

U.S. Patent No. 5,435,846 issued July 25, 1995 to Hidenobu Tatematsu et al.

U.S. Patent No. 5,494,513 issued February 27, 1996 to Yan Fu et al.

U.S. Patent No. 5,529,624 issued June 25, 1996 to Norbert Riegler.

U.S. Patent No. 6,145,591 issued November 14, 2000 to Virgilio G. Boncan et al.

U.S. Patent No. 6,170,575 B1 issued January 9, 2001 to Baireddy R. Reddy et al.

U.S. Patent No. 6,171,386 B1 issued January 9, 2001 to Freddie L. Sabins.

U.S. Patent No. 6,245,142 B1 issued June 12, 2001 to Baireddy R. Reddy et al.

U.S. Patent No. 6,379,456 B1 issued April 30, 2002 to James F. Heathman et al.

U.S. Patent No. 6,494,951 B1 issued December 17, 2002 to Baireddy R. Reddy et al.

U.S. Patent No. 4,141,843 issued February 27, 1979 to Jimmie L. Watson

U.S. Patent No. 4,217,229 issued August 12, 1980 to Jimmie L. Watson.

U.S. Patent No. 4,444,668 issued April 24, 1984 to Michael L. Walker et al.

U.S. Patent No. 4,530,402 issued July 23, 1985 to Robert C. Smith et al.

U.S. Patent No. 4,536,297 issued August 20, 1985 to Royal E. Loftin et al.

U.S. Patent No. 4,717,488 issued January 5, 1988 to James M. Scheult et al.

U.S. Patent No. 5,716,910 issued February 10, 1998 to Patty L. Totten et al.

U. S. Patent No. 5,759,964 issued June 2, 1998 to Chris Shuchart et al.

U. S. Patent No. 5,789,352 issued August 4, 1998 to Robert B. Carpenter et al.

U.S. Patent No. 5,851,960 issued December 22, 1998 to Patty L. Totten et al.

U.S. Patent No. 5,866,517 issued February 2, 1999 to Robert B. Carpenter et al.

U.S. Patent No. 5,990,052 issued November 23, 1999 to Phillip C. Harris.

U.S. Patent No. 6,063,738 issued May 16, 2000 to Jiten Chatterji et al.

U.S. Patent No. 6,070,664 issued June 6, 2000 to Eldon D. Dalrymple et al.

U.S. Patent No. 6,213,213 B1 issued April 10, 2001 to Diederik W. van Batenburg et al.

U.S. Patent No. 6,283,213 B1 issued September 4, 2001 to Albert E. Chan.

U.S. Patent No. 6,488,091 B1 issued December 3, 2002 to Jim D. Weaver et al.

U. S. Patent No. 6,555,505 B1 issued April 29, 2003 to Karen L. King et al.

U.S. Patent No. 6,566,310 B2 issued May 20, 2003 to Albert E. Chan.

U.S. Patent No. 6,478,869 B2 issued November 12, 2002 to Baireddy R. Reddy et al.

U.S. Patent No. 4,557,763 issued December 10, 1985 to Charles George et al.

U.S. Patent No. 5,151,131 issued September 29, 1992 to John Burkhalter et al.

U.S. Patent No. 5,340,860 issued August 23, 1994 to Bobby G. Brake et al.

U.S. Patent No. 5,680,900 issued October 28, 1997 to Philip D. Nguyen et al.

U.S. Patent No. 6,405,801 B1 issued June 18, 2002 to Jan Pieter Vijn et al.

U.S. Patent No. 6,565,647 B1 issued May 20, 2003 to Wilfred J. Day et al

U.S. Patent No. 3,359,225 issued December 19, 1967 to Charles F. Weisend.

U.S. Patent No. 4,515,635 issued May 7, 1985 to S. Prabhakara Rao et al.

U.S. Patent No. 4,555,269 issued November 26, 1985 to S. Prabhakara Rao et al.

U.S. Patent No. 4,676,317 issued June 30, 1987 to Slaton E. Fry et al.

U.S. Patent No. 4,703,801 issued November 3, 1987 to Slaton E. Fry et al.

U.S. Patent No. 4,818,288 issued April 4, 1989 to Alois Aignesberger et al.

U.S. Patent No. 5,121,795 issued June 16, 1992 to David P. Ewert et al.

U.S. Patent No. 5,123,487 issued June 23, 1992 to Kirk L. Harris et al.

U.S. Patent No. 5,125,455 issued June 30, 1992 to Kirk L. Harris et al.

U.S. Patent No. 5,127,473 issued July 7, 1992 to Kirk L. Harris et al.

U.S. Patent No. 5,238,064 issued August 24, 1993 to Jeffrey A. Dahl et al.

U.S. Patent No. 5,346,012 issued September 13, 1994 to James F. Heathman et al.

### **U.S. PATENT APPLICATION PUBLICATIONS**

U.S. Patent Application Publication No. US 2001/0014651 A1 published August 16, 2001 to Baireddy R. Reddy et al.

### **FOREIGN PATENTS**

London Patent No. 1,469,954 published April 14, 1977.

### **OTHER MATERIAL**

SPE 20624 entitled “Acidization of Analcime-Cementing Sandstone, Gulf of Mexico” by D.R. Underdown et al., dated 1990.

SPE 39595 entitled “Designing a Remedial Acid Treatment for Gulf of Mexico Deepwater Turbidite Sands Containing Zeolite Cement” by B.A. Rogers et al., dated 1998.

Paper entitled “Tectonics, fluid migration, and fluid pressure in a deformed forearc basin, Cook Inlet, Alaska”, by R.L. Bruhn et al., pages 550-563, dated 2000.

Paper entitled “Hydraulic Conductivity Measurements On Discrete Samples Collected From Leg 141, Site 863”, by S.D. Lewis et al., pages 401-405, dated 1995.

Paper entitled “Alteration of Clay Minerals And Zeolites In Hydrothermal Brines” by Sridhar Komarneni et al., pages 383-391, dated 1983.

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Paper entitled “Zeolite Crystallization in Portland Cement Concrete” by S.A. Marfill et al., pages 1283-1288, dated 1993.

Paper entitled “A Study on the hydration rate of natural zeolite blended cement pastes”, by C.S. Poon et al., pages 427-432, dated 1999.

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Halliburton brochure entitled "D-Air 2 Anti-Foam Agent" dated 1999.

Halliburton brochure entitled "Halad®-344 Fluid-Loss Additive dated 1998.

Halliburton brochure entitled "Halad®-413 Fluid-Loss Additive" dated 1999.

Halliburton brochure entitled "HR®-5 Cement Additive" dated 1998.

Halliburton brochure entitled "HR®-7 Cement Retarder" dated 1999.

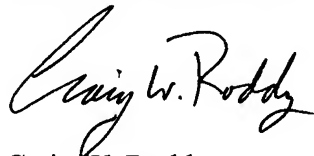
Halliburton brochure entitled "MICROSAND Cement Additive" dated 1999.

Halliburton brochure entitled "SSA-1 Strength-Stabilizing Agent dated 1998.

Halliburton brochure entitled "SSA-2 Coarse Silica Flour" dated 1999.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, reading "Craig W. Roddy". The signature is fluid and cursive, with the first name "Craig" being the most prominent.

Craig W. Roddy  
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Duncan, OK 73536-0440  
580-251-3012

<b>FORM PTO-1449 (Modified)</b>  LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	ATTY. DOCKET NO. HES 2000-IP-002115U1P1P1	SERIAL NO. unknown
	APPLICANT Karen Luke et al.	
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	3,694,152	09/26/72	Sersale et al.	423	329	
	AB	4,435,216	03/06/84	Diehl et al.	106	97	
	AC	4,482,379	11/13/84	Dibrell et al.	106	76	
	AD	4,888,120	12/19/89	Mueller et al.	252	8.551	
	AE	5,383,967	01/24/95	Chase	106	737	
	AF	5,435,846	07/25/95	Tatematsu et al.	106	813	
	AG	5,494,513	02/27/96	Fu et al.	106	672	
	AH	5,529,624	06/25/96	Riegler	106	675	
	AI	6,145,591	11/14/00	Boncan et al.	166	291	
	AJ	6,170,575 B1	01/09/01	Reddy et al.	166	293	
	AK	6,171,386 B1	01/09/01	Sabins	106	724	
	AL	6,245,142 B1	06/12/01	Reddy et al.	106	724	

## FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation	
							Yes	No
	AM	1,469,954	04/14/77	London	C08L	95/00	X	
	AN							
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	AQ							

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	SPE 20624 entitled "Acidization of Analcime-Cementing Sandstone, Gulf Of Mexico", by D.R. Underdown et al., dated 1990.
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EXAMINER INITIAL		Document No.	Date	Name	Class	Subclass	Filing Date if Appropriate
	AA	6,379,456 B1	04/30/02	Heathman et al.	106	724	
	AB	6,494,951 B1	12/17/02	Reddy et al.	106	705	
	AC	4,141,843	02/27/79	Watson	252	8.55 R	
	AD	4,217,229	08/12/80	Watson	252	8.55 R	
	AE	4,444,668	04/24/84	Walker et al.	252	8.55 R	
	AF	4,530,402	07/23/85	Smith et al.	166	291	
	AG	4,536,297	08/20/85	Loftin et al.	252	8.5 C	
	AH	4,717,488	01/05/88	Seheult et al.	252	8.551	
	AI	5,716,910	02/10/98	Totten et al.	507	102	
	AJ	5,759,964	06/02/87	Shuchart et al.	507	209	
	AK	5,789,352	08/04/98	Carpenter et al.	507	209	
	AL						

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	AA	5,851,960	12/22/98	Totten et al.	507	118	
	AB	5,866,517	02/02/99	Carpenter et al.	507	226	
	AC	5,990,052	11/23/99	Harris	507	214	
	AD	6,063,738	05/16/00	Chatterji et al.	507	269	
	AE	6,070,664	06/06/00	Dalrymple et al.	166	281	
	AF	6,213,213 B1	04/10/01	van Batenburg	166	300	
	AG	6,283,213 B1	09/04/01	Chan	166	291	
	AH	6,488,091 B1	12/03/02	Weaver et al.	166	300	
	AI	6,555,505 B1	04/29/03	King et al.	507	202	
	AJ	6,566,310 B2	05/20/03	Chan	507	211	
	AK	6,478,869 B2	11/12/00	Reddy et al.	106	724	
	AL	US 2001/0014651 A1	08/16/01	Reddy et al.	502	408	

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	AB	5,151,131	09/29/92	Burkhalter et al.	106	822	
	AC	5,340,860	08/23/94	Brake et al.	524	166	
	AD	5,680,900	10/28/97	Nguyen et al.	166	295	
	AE	6,405,801 B1	06/18/02	Vijn et al.	166	293	
	AF	6,565,647 B1	05/20/03	Day et al.	106	813	
	AG	3,359,225	12/19/67	Weisend	260	29.6	
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	AA	5,121,795	06/16/92	Ewert et al.	166	292	
	AB	5,123,487	06/23/92	Harris et al.	166	277	
	AC	5,125,455	06/30/92	Harris et al.	166	292	
	AD	5,127,473	07/07/92	Harris et al.	166	277	
	AE	5,238,064	08/24/93	Dahl et al.	166	293	
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